

SEMICONDUCTOR MEMORY DEVICE

Publication number: JP2000182390

Publication date: 2000-06-30

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Applicant: MITSUBISHI ELECTRIC CORP

Classification:

- international: G11C29/04; G11C11/401; G11C11/409; G11C29/00;
G11C29/04; G11C11/401; G11C11/409; G11C29/00;
(IPC1-7): G11C29/00

- european: G11C29/00R8L8; G11C29/00R8T8

Application number: JP19980353100 19981211

Priority number(s): JP19980353100 19981211

Also published as:

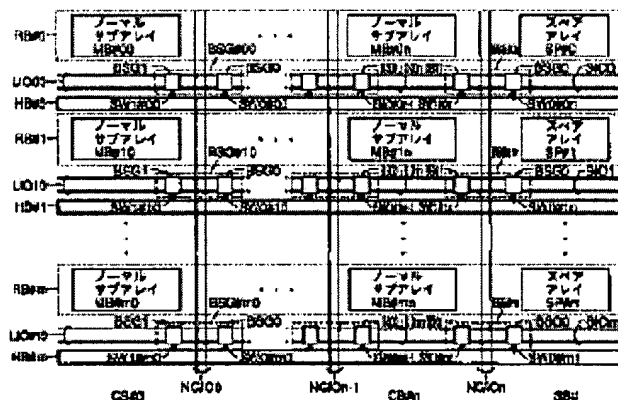


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Abstract of JP2000182390

PROBLEM TO BE SOLVED: To suppress the increase of a chip area by permitting an i-th connection circuit to output a control signal so that one of i-th to (i+n-m)-th local data buses is connected to an i-th global data bus and first to m-th global data buses are connected to m-pieces of local data buses. **SOLUTION:** Local data buses LIOi0-LIOin are installed in accordance with sub-arrays MB#i0-MB#in and a spare local data bus SIOi (i=0-m) is installed in accordance with a spare array SP#i. The local data buses LIOi0-LIOin transfer data only with the corresponding sub-arrays MB#i0-MB#in and the spare local data buses SIO0-SIOm with the corresponding spare arrays SP#0-SP#m. The spray arrays SP#i are installed in the plural normal sub-arrays MB#i0-MB#in in common so as to improve the use efficiency of a spare string.



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PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2000182390 A

(43) Date of publication of application: 30.06.2000

(51) Int. Cl. G11C 29/00

(21) Application number: 10353100

(22) Date of filing: 11.12.1998

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